

As a collector Daniels was untiring. His bag was always among the largest. He seemed to have the knack of finding unusual or abnormal shells. Some of these were illustrated by him in a special article.

Species of the molluscan genera *Sonorella*, *Ashmunella*, *Holospira*, *Hemphillia*, *Pisidium*, *Lymnæa*, of *Gerarus* and *Asemoblatta* (Upper Carboniferous insects), and probably other groups, have been named in his honor. His collections of land and fresh water shells, and of Mazon creek fossils are among the best.

Mr. Daniels was unmarried. Of late years he made his home with a sister, Mrs. James Foster, at La Porte and later at Rolling Prairie, Indiana. While on the farm he became interested in Masonry, often driving across the unbroken prairie a dozen miles on winter nights to attend lodge sessions at the county seat. He continued up to the thirty-third degree and the final services at La Porte were conducted by the Masonic fraternity.

In person Daniels was of the tall, strongly but loosely built Illinois type, of which Lincoln was an example. He was rather serious, but by no means lacking in humor, a good camp-fire companion. In character enterprising, interested, upright.

Seemingly in good health, nevertheless for some years he had need of a surgeon, and in October submitted to an operation at a Chicago hospital. Unforeseen complications developed and he died October 23, 1918. By his death conchology has lost one of its best explorers, and his associates a loyal and loving friend.—J. H. FERRISS.

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JOSEPH WILLCOX.

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Mr. Joseph Willcox, a member of the Board of Trustees of the Wagner Free Institute of Science for forty years, died in Philadelphia, October 1, 1918. Mr. Willcox was born at Ivy Mills, Delaware Co., Pa., August 11, 1829. After graduating from St. Mary's College, Baltimore, he became engaged in paper making with his father. This business was founded in 1729 by Thomas Willcox, who made paper for the continental

currency, the firm continuing to make paper for the government up to 1875. Mr. Willcox was in the Pennsylvania militia during the Civil War, and attained the rank of colonel.

On retiring from business Mr. Willcox took up the study of mineralogy and geology, and during his frequent visits to Florida became greatly interested in the geology of that State. In the spring of 1886, under the auspices of the Wagner Free Institute of Science, he organized with Prof. Angelo Heilprin of the Academy of Natural Sciences, an expedition to explore the gulf coast of Florida. Leaving Cedar Keys and proceeding south, they examined the silex beds of Tampa Bay, and in ascending the Caloosahatchie to enter Lake Okeechobee, discovered the Caloosahatchie Pliocene. An account of this expedition appeared in Transactions Wagner Free Institute, Vol. I. In company with Dr. Wm. H. Dall, he again visited these beds in the spring of 1887, and with the writer in 1888 made another trip to this and adjacent streams, making large collections to aid Dr. Dall in his great work on the Tertiary Fauna of Florida, also published in the Transactions of the Wagner Free Institute (Vol. III, six parts, 1654 pages, 60 plates, 1890-1903). In the work of obtaining additional material in other southern states and in many ways assisting Dr. Dall and others, he took great pleasure. On the various collecting trips he always obtained many undescribed species, of which some sixteen have been named in his honor. He made a large collection of Miocene and Pliocene shells and specialized on the genus *Busycon* (*Fulgur*) both recent and fossil. This collection he presented to the Academy of Natural Sciences.

For many years Mr. Willcox was Honorary Curator of the Isaac Lea collection of Eocene fossils at the Academy of Natural Sciences of Philadelphia. He was Chairman of the Committee on Museum of the Wagner Free Institute, and always took the greatest interest in the development of both institutions. A warm friend of Dr. Isaac Lea and Dr. Joseph Leidy, he lived to see the scientific work and progress of practically two generations. He is survived by a son, Mr. C. Percy Willcox, of Philadelphia.—C. W. JOHNSON.

